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1 **Relational indexing using a grammarless parser**
Grootjen, F.
Systems, Man, and Cybernetics, 2001 IEEE International Conference
on , Volume: 5 , 2001
Page(s): 2886 -2889 vol.5

[Abstract]   [PDF Full-Text (228 KB)] **CNF**

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2 **Dialogue machine translation system using multiple translation processors**
Ren, F.
Database and Expert Systems Applications, 2000. Proceedings. 11th
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[Abstract]   [PDF Full-Text (424 KB)] **CNF**

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3 **Improving incremental construction of knowledge bases by using terminological logic resources**
Julia, R.M.daS.; Pereira, A.E.C.; Arantes, W.M.; Guillen, A.M.S.
Systems, Man, and Cybernetics, 1998. 1998 IEEE International
Conference on , Volume: 2 , 1998
Page(s): 1552 -1557 vol.2

[Abstract]   [PDF Full-Text (444 KB)] **CNF**

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4 **Design and implementation of a parser/solver for SDPs with matrix structure**
Shao-Po Wu; Boyd, S.
Computer-Aided Control System Design, 1996., Proceedings of the

1996 IEEE International Symposium on , 1996
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[Abstract]   [PDF Full-Text (448 KB)] **CNF**

5 An intelligent parser that automatically generates semantic rules during syntactic and semantic analysis

da Silva Julia, R.M.; Seabra, J.R.; Siqueira, I.S.
Systems, Man and Cybernetics, 1995. Intelligent Systems for the
21st Century., IEEE International Conference on , Volume: 1 , 1995
Page(s): 806 -811 vol.1

[Abstract]   [PDF Full-Text (540 KB)] **CNF**

6 Implementing calendars and temporal rules in next generation databases

Chandra, R.; Segev, A.; Stonebraker, M.
Data Engineering, 1994. Proceedings.10th International Conference ,
1994
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7 Text classification in fragmented sublanguage domains

Frail, R.P.; Freedman, R.S.
Artificial Intelligence for Applications, 1991. Proceedings., Seventh
IEEE Conference on , Volume: i , 1991
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P. S. Jacob , L. F. Rau
Proceedings of the eleventh international conference on Research &
development in information retrieval May 1988
> Neither natural language processing nor information retrieval is any
> longer a young field, but the two areas have yet to achieve a
> graceful interaction. Mainly, the reason for this incompatibility is
> that information retrieval technology depends upon relatively simple
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2 Experiments on incorporating syntactic processing of user   82%
queries into a document retrieval strategy
A. F. Smeaton , C. J. van Rijsbergen
Proceedings of the eleventh international conference on Research &
development in information retrieval May 1988
> Traditional information has relied on the extensive use of statistical
> parameters in the implementation of retrieval strategies. This paper
> sets out to investigate whether linguistic processes can be used as
> part of a document retrieval strategy. This is done by predefining a
> level of syntactic analysis of user queries only, to be used as part of
> the retrieval process. A large series of experiments on an
> experimental test collection are reported which use a parser for
> noun phrases as part o ...

3 SCISOR: extracting information from on-line news   80%
P. S. Jacobs , Lisa F. Rau
Communications of the ACM November 1990
Volume 33 Issue 11

> The future of natural language text processing is examined in the
> SCISOR prototype. Drawing on artificial intelligence techniques, and
> applying them to financial news items, this powerful tool illustrates
> some of the future benefits of natural language analysis through a
> combination of bottom-up and top-down processing.

4 Natural language question-answering systems: 1969   80%
Robert F. Simmons
Communications of the ACM January 1970
Volume 13 Issue 1

> Recent experiments in programming natural language
> question-answering systems are reviewed to summarize the
> methods that have been developed for syntactic, semantic, and
> logical analysis of English strings. It is concluded that at least
> minimally effective techniques have been devised for answering
> questions from natural language subsets in small scale
> experimental systems and that a useful paradigm has evolved to
> guide research efforts in the field. Current approaches to semantic
> analysis ...

5 Technique for automatically correcting words in text   80%
Karen Kukich
ACM Computing Surveys (CSUR) December 1992
Volume 24 Issue 4

> Research aimed at correcting words in text has focused on three
> progressively more difficult problems:(1) nonword error detection;
> (2) isolated-word error correction; and (3) context-dependent work
> correction. In response to the first problem, efficient
> pattern-matching and n-gram analysis techniques have been
> developed for detecting strings that do not appear in a given word
> list. In response to the second problem, a variety of general and
> application-specific spelling cor ...

6 Retrieval performance in Ferret a conceptual information   80%
retrieval system
Michael L. Mauldin
Proceedings of the fourteenth annual international ACM/SIGIR
conference on Research and development in information retrieval
September 1991

7 Automated message understanding—a real-world   77%
prototype
Thomas Jenkins , Alain Gaillard , Heather Holmback , Aki Namioka ,
John Darvish , Philip Harrison , Michael Lorbeski
Proceedings of the third international conference on Industrial and
engineering applications of artificial intelligence and expert systems -
Volume 1 June 1990

> We describe our prototype message processing system, designed to
> perform automatic database update from telexes dealing with
> aircraft Reliability and Maintainability issues. This system is being
> studied to replace a largely manual process currently in use at
> Boeing, which suffers from the standard problems of inefficiency,
> inconsistency, and difficulty of maintenance. The system we are
> developing combines a natural language processing subsystem for
> free-form text processing with automatic t ...

8 On the application of syntactic methodologies in automatic text   77%
analysis
G. Salton , M. Smith
ACM SIGIR Forum , Proceedings of the twelfth annual international
ACMSIGIR conference on Research and development in information
retrieval May 1989
Volume 23 Issue 1-2

> This study summarizes various linguistic approaches proposed for
> document analysis in information retrieval environments. Included
> are standard syntactic methods to generate complex content
> identifiers, and the use of semantic know-how obtained from
> machine-readable dictionaries and from specially constructed
> knowledge bases. A particular syntactic analysis methodology is
> also outlined and its usefulness for the automatic construction of
> book indexes is examined.

9 Automatic text indexing using complex identifiers   77%
Gerald Salton
Proceedings of the ACM conference on Document processing systems
January 2000

10 Spoken dialogue technology   77%
Michael F. McTear
ACM Computing Surveys (CSUR) March 2002
Volume 34 Issue 1

> Spoken dialogue systems allow users to interact with
> computer-based applications such as databases and expert systems
> by using natural spoken language. The origins of spoken dialogue
> systems can be traced back to Artificial Intelligence research in the

1950s concerned with developing conversational interfaces. However, it is only within the last decade or so, with major advances in speech technology, that large-scale working systems have been developed and, in some cases, introduced into commerc ...

11 Improving the representation of legal case texts with information 77%
extraction methods
Stefanie Brüninghaus , Kevin D. Ashley
Proceedings of the 8th international conference on Artificial intelligence and law May 2001

> The prohibitive cost of assigning indices to textual cases is a major obstacle for the practical use of AI and Law systems supporting reasoning and arguing with cases. While progress has been made toward extracting certain facts from well-structured case texts or classifying case abstracts under Key Number concepts, these methods still do not suffice for the complexity of indexing concepts in CBR systems. In this paper, we lay out how a better example representation may facilit ...

12 Automatic parsing for content analysis   77%
Frederick J. Damerau
Communications of the ACM June 1970
Volume 13 Issue 6

> Although automatic syntactic and semantic analysis is not yet possible for all of an unrestricted natural language text, some applications, of which content analysis is one, do not have such a stringent coverage requirement. Preliminary studies show that the Harvard Syntactic Analyzer can produce correct and unambiguous identification of the subject and object of certain verbs for approximately half of the relevant occurences. This provides a degree of coverage for content analysis variable ...

13 Interactive Editing Systems: Part II   77%
Norman Meyrowitz , Andries van Dam
ACM Computing Surveys (CSUR) September 1982
Volume 14 Issue 3

14 Rosetta   77%
E. E. Villarreal , Don Batory
ACM SIGSOFT Software Engineering Notes , Proceedings of the 1997 symposium on Symposium on software reusability May 1997
Volume 22 Issue 3

15 The role of lexicons in natural language processing   77%
Louise Guthrie , James Pustejovsky , Yorick Wilks , Brian M. Slator
Communications of the ACM January 1996
Volume 39 Issue 1

16 Natural language information retrieval in digital libraries   77%
Tomek Strzalkowski , Jose Perez-Carballo , Mihnea Marinescu
Proceedings of the first ACM international conference on Digital
libraries April 1996

17 An example-based mapping method for text categorization and   77%
retrieval
Yiming Yang , Christopher G. Chute
ACM Transactions on Information Systems (TOIS) July 1994
Volume 12 Issue 3

A unified model for text categorization and text retrieval is
introduced. We use a training set of manually categorized
documents to learn word-category associations, and use these
associations to predict the categories of arbitrary documents.
Similarly, we use a training set of queries and their related
documents to obtain empirical associations between query words
and indexing terms of documents, and use these associations to
predict the related documents of arbitrary queries. A Linear Le ...

18 Sentence disambiguation by asking   77%
Masaru Tomita
Computers and Translation January 1986
Volume 1 Issue 1

19 A loosely-coupled integration of a text retrieval system and an   77%
object-oriented database system
W. Bruce Croft , Lisa A. Smith , Howard R. Turtle
Proceedings of the Fifteenth Annual International ACM SIGIR
conference on Research and development in information retrieval June
1992

Document management systems are needed for many business
applications. This type of system would combine the functionality of
a database system, (for describing, storing and maintaining
documents with complex structure and relationships) with a text
retrieval system (for effective retrieval based on full text). The
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by the variety and complexity of the objects that are represented.
In this paper, we describe an approach to compl ...

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